



OS-150L



OS-210L



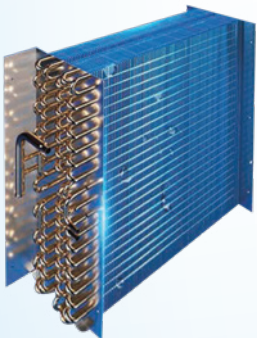
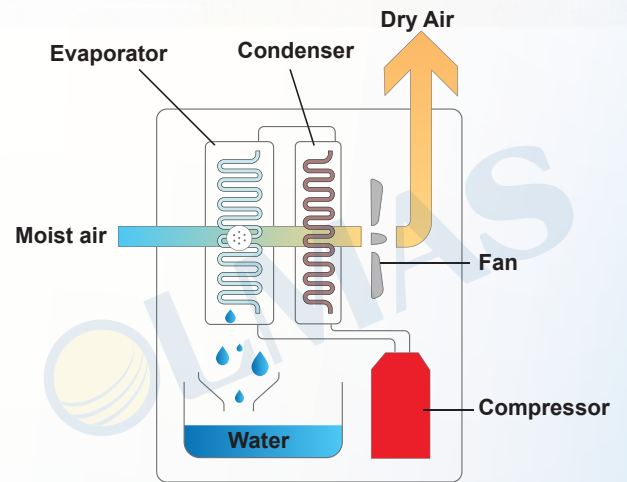
OS-500L

OLMAS floor-standing packaged dehumidifiers consist of two standard models OS-150L, OS-210L, OS-500L and two specialized models OS-150LS, OS-210LS, OS-500LS and they are widely used in broad range of application in: Food and Pharmaceutical process, Precise manufacturing, Warehouses, Museums and archives, Communication center, Mild temperature drying room...

WORKING PRINCIPLE

Centrifugal fan draws humid air through evaporator (cooling coils) where it is cooled down below its dewpoint, water vapor is thus condensed into water and drained away. Cooled air with less water vapor passes through condenser (hot coils) where it is reheated. Warm and dry air is finally blown back to controlled space to continue dehumidification operation.

To ensure smooth operation and long service life, actual construction is equipped with additional basic components: Filter installed in front of evaporator to clean air and protect vaporator coil from clogging; Defrost circuit to defrost coil under low temperature condition; Humidistat to control dehumidifier automatically.



E-Coating Hydrophilic Evaporator
40% more efficient
Faster dehumidification



High-efficiency compressor
Complete with internal cut-outs
and high/low pressure protection.



Airtight centrifugal fan
Running smoothly with low
noise and high efficiency.



Humidity controller
Automatic operation-
Energy saving.

DEAIR JOIN STOCK COMPANY

Hotline : +84 0933 628 660

M: deair@deair.com.vn | W: deair.com.vn

HCM (Office & Factory): 442/8, 1A Highway, District 12, HCMC, VN
Customer Service: 8 Vu Van Can St., Ban Yen Nhan Ward, My Hao Town, Hung Yen



APPLICATION

DEAIR dehumidifier has been introduced to serve the demands of medium sized areas without the need to use multiple units. Warehouses, factories, offices and other medium scale facilities with ambient temperatures ranging from 15°C to 40°C can be cured of humidity and condensation problems efficiently and automatically without over burdening costly heating, cooling and ventilation systems. DEAIR dehumidifier can be utilized singly or in multiple units to provide protection on any scale. Ducted applications are possible where design requirements specify.

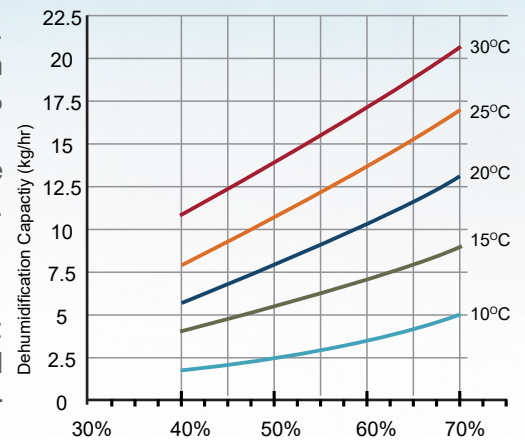
HOW TO SELECT CORRECT SIZE DEHUMIDIFIER?

Firstly, the moisture load (latent load) of the project must be estimated. Secondly, designer can use dehumidification capacity chart provided on the right hand side to select suitable model according to room RH% and temperature.

Alternatively, we also offer free computer-aided selection service directly or through our officially trained representative in your area. Please contact your local distributor for assistance.

WHY DEHUMIDICATION?

High relative humidity is the main causes of many common problems: Corrosion, Product deterioration, Condensation, Damp, Mould and mildew, Moisture regain, Prolonged drying, Manufacturing delays, discomfort..



SPECIFICATION		OS-150L	OS-210L	OS-500L
Operating temperature range	°C	5~40	5-40	5-40
Dehumidification Capacity @30oC, 70%	Kg/h	6.25	8.75	21
Airflow rate	CMH	1500	2500	4500
Noise	dBA	57	55	58
Refrigerant		R407C/ R134A	R407C/ R410A/ R22	
Refrigerant/Charge	Kg	1.45	1.45	3.2
Max suction pressure	MPa	0.75	0.75	0.75
Max discharge pressure	Mpa	1.95	1.95	1.95
Power source	V/Ph/Hz	220/1/50	380/3/50	
Nominal power consumption	kW	1,63	4.0	8.0
Dimensions				
Width	mm	540	750	1,200
Depth	mm	440	470	500
Height	mm	1150	1620	1820
Net Weight	kg	70	100	230

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